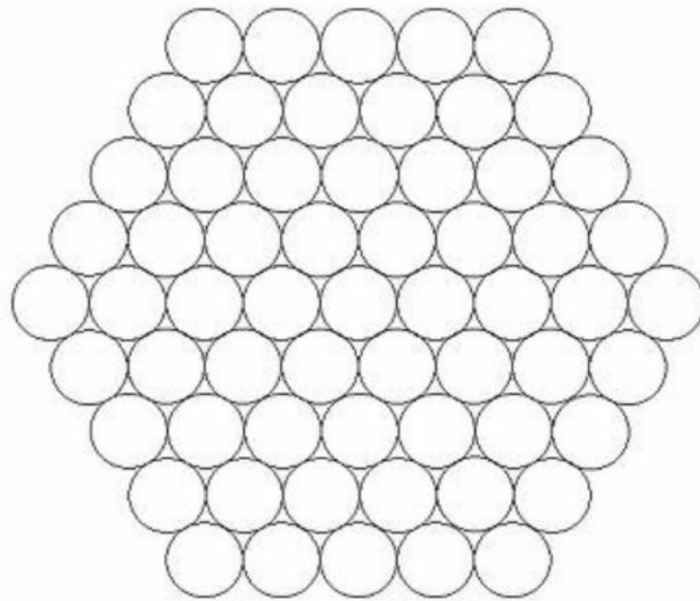


Cables can be made stronger by compacting them together in a hexagonal formation.

Here is a 'size 5' cable made up of 61 strands:



How many strands are needed for a size 10 cable?

How many for a size n cable?

Can you justify your answer?